Andrew Yi

LEAD SOFTWARE ENGINEER

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Experience

CivicPlus   *New Haven, CT (Remote)*

LEAD SOFTWARE ENGINEER   *Jun 2022 - Present*

- Managed and led a team of 5 software engineers utilizing agile scrum methodologies, ensuring that all work met company standards and best practices. Worked closely with the Director of Engineering and the Architectural Review Board to design, plan, and maintain software projects, as well as implement security upgrades.
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- Planned, developed, and led team-driven maintenance, security and upgrade efforts including: upgrade Rails 6.1 to Rails 7.0 (complete), upgrade Ruby 2.7 to Ruby 3.0 (in-progress), work with hosting and security teams to triage CVEs, implement performance improvements to internal and open source geospatial libraries and frameworks (RGeo, prj2epsg service, PostGIS).
- Worked closely with product and implementations teams to plan, scope and lead development work for data-processing/migration tools for customer data imports and third-party API custom/proxy integrations (CityWorks, Lucity, Microsoft Dynamics, Accela, etc.).

SENIOR SOFTWARE ENGINEER   *Apr 2020 - June 2022*

- Developed features for core suite of products: municipal geospatial citizen relationship and 311 issue management services and constituent communication products (Rails, Postgres/PostGIS, Esri Leaflet).
- Developed and successfully launched greenfield constituent management module for facilitating omni-channel communications between government and constituents (GraphQL, ApolloJS, Twilio/SendGrid and Frase ChatBot integrations, Full-text search).

Riley & Grey   *Brooklyn, NY*

TECHNICAL LEAD   *Jun 2017 - Apr 2019*

- Developed with and led a team of three developers and two designers on features involving website template design, back-end services development/maintenance (API, payments, DevOps), website hosting, CI/testing/deployment and bug support (Ruby on Rails, JavaScript, Heroku).
- Architected, developed and successfully launched the company's first physical product – a template-based paper stationery printing service, featuring an in-browser stationery editor, proofing/shipping/e-commerce systems and back-end integration with paper printing provider (Ruby on Rails, ReactJS).

SOFTWARE ENGINEER   *Jan 2015 - May 2017*

- Developed company's core products: website hosting, domain provisioning, website templates, and RSVP/guest management.
- Implemented 30+ website design templates, working closely with both design and front-end development teams, with an emphasis on mobile responsive design, accessibility and design documentation (Rails, AngularJS, React).

Friends & Family Foundry   *Brooklyn, NY*

SOFTWARE ENGINEER (CONTRACT)   *Oct 2018 - May 2019*

- BUILDBOOK - CONSTRUCTION MANAGEMENT MOBILE APPLICATION: Led team of three developers, architecting and developing RESTful JSON API (Ruby on Rails) and iOS/Android applications (React Native) featuring: payments, photo uploading, message/media caching, push notifications, full-text search (PostgreSQL) and project management application endpoints.

SOFTWARE ENGINEER   *Jul 2013 - Dec 2014*

- Built various web application back-end and front-end features for clients including Starbucks (store.starbucks.com), IVY (ivy.com) (Ruby on Rails, AngularJS, ReactJS).

Skills

Languages	Ruby, JavaScript, Python, HTML5/CSS3
Frameworks/Tools (Professional)	Ruby on Rails, Ember, React, Git, Heroku, Redis, PostgreSQL, Amazon AWS, Selenium, Sidekiq, Agile/Scrum
Professional Certifications	AWS Certified Solutions Architect (Associate), AWS Certified Developer (Associate)

Education

Georgia Institute of Technology   *Atlanta, GA*

MS IN COMPUTER SCIENCE

Syracuse University   *Syracuse, NY*

BS IN ECONOMICS